

YOLO-SOLANO AIR QUALITY MANAGEMENT DISTRICT
1947 Galileo Court, Suite 103; Davis, CA 95618
Phone (530) 757-3650 Fax (530) 757-3670

FACILITY NUMBER: 00209
SIC CODE: 2873

**AUTHORITY TO CONSTRUCT
C-10-14
IS HEREBY GRANTED TO**

**AGRIUM U.S. INC.
3961 Channel Drive
West Sacramento, CA 95691**

EQUIPMENT LOCATION: 3961 Channel Drive; West Sacramento, CA

TO CONSTRUCT

PROCESS DESCRIPTION: Bulk urea receiving from railcars and over-filled trucks to the UAN-32 production process and the warehouse; Modification of P-33-09 to install a gravity fed chute to transfer material from the day tank (P-605) to the main urea storage warehouse, and increase the railcar receiving throughputs.

EQUIPMENT INVENTORY: One (1) 5 HP truck drive-over belt feeder (P-612); one (1) 25 HP unloading bucket elevator (P-613); and one (1) gravity fed warehouse transfer chute (P-TBD). Process equipment shared and billed on PTO P-72-78: Portable conveyor (P-620); transfer belt conveyor (P-603); screw conveyor (P-604); day tank (P-605); bin activator (P-606); weigh feeder (P-607); and transfer belt conveyor (P-608).

- Total Billing: Schedule 1, 30 HP -

CONTROL EQUIPMENT INVENTORY:

Railcar receiving dust pan served by the AFF scrubber. Control equipment shared with PTO P-72-78: AAF wet scrubber (GB-501), Model Type W Rotoclone, Size 30 and rated at 15,710 cfm (located adjacent to the screening tower); Torit baghouse (P-618) with a 1.5 HP fan rated at 1,000 cfm (located on top of day tank); Sly Impinjet wet scrubber (F-644), Model No. 120, with a 75 HP fan rated at 1,500 cfm (located on top of blender tank).

PERMITTED EMISSION LIMITS:

Pollutant	Daily [lb]	Qtr #1 (Jan 1-Mar 31) [lb]	Qtr #2 (Apr 1-June 30) [lb]	Qtr #3 (July 1-Sept 30) [lb]	Qtr #4 (Oct 1-Dec 31) [lb]	Yearly [tons]
PM ₁₀	20.1	1,741	1,760	1,780	1,780	2.42

PERMITTED PROCESS LIMITS:

	Daily [tons]	Qtr #1 (Jan 1-Mar 31) [tons]	Qtr #2 (Apr 1-June 30) [tons]	Qtr #3 (July 1-Sept 30) [tons]	Qtr #4 (Oct 1-Dec 31) [tons]	Yearly [tons]
Urea Received by Railcar	1,200	108,000	109,200	110,400	110,400	300,000
Urea Off-loaded from Overfilled Trucks	4.0	12.0	12.0	12.0	12.0	48.0

The following information is included to inform and assist the Permit Holder in achieving compliance with applicable provisions of Federal, State, and District Rules and Regulations. The following set of referenced regulations are not intended to be either comprehensive or exclusive, nor are they intended to be emission limiting permit conditions, but they are still applicable rules of the District. Occasionally laws are amended. The amended versions of the referenced rules shall be deemed to be in effect. **It is the Permit Holder's responsibility to comply with all applicable Rules and Regulations.**

1. After construction of all listed process and control equipment is complete, as determined by the District, the ATC Holder shall have 45 calendar days to conduct tests and perform other necessary initial adjustments on the equipment. During this time, this Authority to Construct and its conditions shall function as a temporary Permit to Operate. Any operation of the equipment beyond this period without either District receipt of a valid Permit to Operate Notification Card or written extension from the District, will be considered operation without a permit and subject to enforcement action. The ATC Holder shall provide the District, in writing, a notice prior to commencing the 45-day start-up period. [District Rule 3.1, §402]
2. The District requires an inspection of the equipment after completion of the construction and prior to the issuance of the Permit to Operate. [District Rule 3.1, §402]
3. An authorization to construct shall remain in effect only until the application for Permit to Operate is granted or denied; however, such an authorization shall not remain in effect beyond two years from the date of issuance unless the District finds that the time required for construction requires an extension and grants one or more extensions, for a total time not to exceed five years from the date of issuance. [District Rule 3.1, §407]

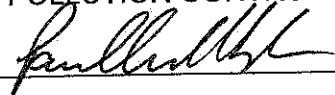
The following set of conditions are established by the District to provide enforceable operating parameters as authorized by California Health and Safety Code Section 42301 and District Rule 3.1, Section 402. If any of the rules and regulations referenced below are amended subsequent to the issuance date of this permit, resulting in the amended rule differing from or superseding the corresponding condition, then the Permit Holder shall be required to comply with the amended rule or regulation and shall no longer be required to comply with the superseded condition.

4. The Permit Holder shall maintain all control equipment, including ducts and filters, in good operating condition and shall be operated at all times in conjunction with its associated process. [District Rule 3.4]
5. The Permit Holder shall not discharge into the atmosphere from the baghouse exhaust, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
 - a. As dark or darker in shade than No. 1/4 on the Ringelmann Chart; or
 - b. Greater than 5% opacity. [District Rule 3.4]
6. The Permit Holder shall not discharge into the atmosphere from either of the scrubbers exhausts, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
 - c. As dark or darker in shade than No. 1 on the Ringelmann Chart; or
 - d. Greater than 20% opacity. [District Rule 3.4]
7. The Permit Holder shall not discharge into the atmosphere from any single source of emissions whatsoever, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
 - e. As dark or darker in shade than No. 1 on the Ringelmann Chart; or
 - f. Greater than 20% opacity. [District Rule 3.4]
8. The Permit Holder shall not release or discharge into the atmosphere from baghouse P-618, particulate matter in excess of 0.004 grains per cubic feet of exhaust. [District Rule 3.4]
9. The Permit Holder shall not release or discharge into the atmosphere from scrubber F-644, particulate matter in excess of 0.004 grains per cubic feet of exhaust. [District Rule 3.4]
10. The Permit Holder shall not release or discharge into the atmosphere from scrubber GB-501 when receiving urea from railcars or overfilled trucks, particulate matter in excess of 0.0015 grains per cubic feet of exhaust. [District Rule 3.4]
11. When transferring urea from railcars to the UAN-32 production process, the Permit Holder shall be required to utilize a dust pan beneath the railcar which is served by the AAF scrubber (GB-501), as well as, fully enclosed the truck receiving pit opening. [District Rule 3.4]

12. The Permit Holder shall maintain daily, quarterly, and yearly records of the total amount (in tons) of urea:
- a. Received by railcar and transferred to the UAN-32 process; and
 - b. Received by railcar and transferred to the main storage warehouse.
 - c. Off-loaded from overfilled trucks and transferred to the UAN-32 process; and
 - d. Off-loaded from overfilled trucks and transferred to the main storage warehouse.
- [District Rule 3.4]
13. These records shall be retained for a minimum of five (5) years and shall be made available to District personnel upon request. [District Rule 3.4]

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26, Part 4, Chapter 3, of the Health & Safety Codes of the State of California or the Rules and Regulations of the Yolo-Solano Air Quality Management District.

Mat Ehrhardt, P.E.
AIR POLLUTION CONTROL OFFICER

By: 

Date of Issuance: April 6, 2010

KM-4/12/10